Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Previously presented) A method of extracting metal ions from an aqueous solution comprising contacting the aqueous solution with a material comprising antimony silicate doped with one or more elements selected from the group consisting of tungsten, niobium and tantalum.

2. (Previously presented) A method according to claim 1 wherein the material has a Si:Sb ratio of less than 5.

3. (Previously presented) A method according to claim 1 wherein the one or more elements is present in the material at a concentration in the range from about 0.5 to about 30.0 weight %.

4. (Previously presented) A method according to claim 2 wherein the one or more elements is present in the material at a concentration in the range from about 0.5 to about 30.0 weight %.

5. (Canceled)

6. (Canceled)

7. (Previously presented) A method according to claim 1 in which the aqueous solution has a pH <7.

8. (Previously presented) A method of extracting metal ions from an aqueous solution of pH< 7 comprising contacting an aqueous solution of pH<7 with a material comprising

antimony silicate doped with one or more elements selected from the group consisting of tungsten, niobium and tantalum.

9. (Previously presented) A method according to claim 1 in which the metal ions are radioactive metal ions.

10. (Previously presented) A method according to claim 9 in which the radioactive metal ions comprise Sr, Cs, Co, Pu or Am ions.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Previously presented) A method of extracting radioactive metal ions from an aqueous solution of pH<7 comprising contacting an aqueous solution of pH<7 with a material comprising antimony silicate doped with one or more elements selected from the group consisting of tungsten, niobium and tantalum.

15. (Previously presented) A method according to claim 14 in which the radioactive metal ions comprise Sr, Cs, Co, Pu or Am ions.

16. (Canceled)

17. (New) A method of extracting metal ions from an aqueous solution comprising contacting the aqueous solution with a material comprising antimony silicate doped with one or more elements selected from the group consisting of tungsten, niobium and tantalum which material has been obtained by reacting together in a liquid medium a silicone-containing compound, an organic containing compound and a compound containing one or more of the elements in the presence of an acid.

18. (New) The process of claim 17 wherein the acid is a polymerization catalyst.

19. (New) The method of claim 1 wherein the material is a crystalline antimony silicate material.

20. (New) The method of claim 9 in which the aqueous solution is acidic and contains at least one background ions Na, K, Mg or Ca ions at a higher concentration than the concentration of the radioactive metal ions.

21. (New) The method of claim 9 in which the aqueous solution is acidic and contains at least one background ion Na, K, Mg, or Ca ions, and in which the radioactive metal ions are selectively removed from the aqueous solution, the background ions being left behind in the aqueous solution.